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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/671,787

09/29/2003

Yuji Shimoda

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23850

7590

02/23/2005

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EXAMINER

FEIGINS, KRISTAL J

ART UNIT

PAPER NUMBER

2861

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/671,787

Applicant(s)

SHIMODA, YUJI

Examiner

K. Feggins

Art Unit

2861

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9/29/03 & 2/1904</u> | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Petteruti et al. (US 6,004,653).

Petteruti et al. disclose the following claimed limitations:

* regarding claim 1, a thermal printer connectable to a portable type terminal equipment (Abstract, figs 1-3),

* a printer head/33/ for carrying out printing operation onto a printing medium/26/ (figs 1-2, col 2, lines 63-67, col 3, lines 1-27);

* a printer cover having members coupled together by a hinge to be openable and closable (figs 1-3, col 2, lines 63-67, col 3, lines 1-27);

* a platen/28/ provided in the printer cover/14/ in contact with the printer head/33/ when the printer cover/14/ is closed (col 2, lines 63-67, col 3, lines 1-27, figs 1-3);

* wherein a straight line connecting a shaft of the platen to a shaft of the hinge/88/ is generally parallel to a bottom surface of the portable type terminal equipment and the printer head/33/ is generally perpendicular to the straight line connecting the platen shaft to the pivot axis when the thermal printer is connected to the portable type terminal equipment (figs 4-5, col 2, lines 63-67, col 3, lines 1-27, figs 1-3).

* regarding claims 2 & 6, wherein said members of the printer cover comprise an upper cover and a lower cover/12/, and the upper cover /14/ is rotatable relative to the lower cover/12/ on about the pivot axis to be openable and closable (col 2, lines 63-67, col 3, lines 1-27, figs 1-3).

* regarding claim 3, a thermal printer (Abstract, figs 1-3),

* a printer head/33/ for printing operation onto a printing medium/26/ (figs 1-2, col 2, lines 63-67, col 3, lines 1-27);

* a printer cover/14/ having members/12, 14/ coupled together by a hinge/88/ to be openable and closable (col 2, lines 63-67, col 3, lines 1-27, figs 1-3).;

* a platen/28/ provided in the printer cover/14/ in contact with the printer head/33/ when the printer cover/14/ is closed (col 2, lines 63-67, col 3, lines 1-27, figs 1-3);

* wherein the printer head/33/ is disposed at an angle not interfering with an arc defined by the moving platen/28/ when the platen is separated from the printer head by opening the printer cover/14/ from a state in which the printer head is brought into contact with the printer head/23/ (figs 4-5, col 2, lines 63-67, col 3, lines 1-27, figs 1-3).

* regarding claim 4, wherein said members of the printer cover/12, 14/ comprise an upper cover/14/ and a lower cover/12/, and the upper cover/14/ is rotatable relative to the lower cover on the rotary shaft/hinged/ to be openable and closable (col 2, lines 63-67, col 3, lines 1-27, figs 1-3).

- * regarding claim 5, a portable type terminal equipment (Abstract, figs 1-3),
- * an input section for inputting business data/the reading of the data from the track on the card or the keyboard or terminal/ (col 3, lines 42-65, col 5, lines 9-19);;
- * a display section for displaying the business data (col 5, lines 9-19);
- * a printer head/33/ for printing operation onto a printing medium/26/;
- * a printer cover/12, 14/ having members hinged together about a pivot axis to be openable/closable (figs 1-3, col 2, lines 63-67, col 3, lines 1-27);
- * a platen/28/ attached to the printer cover/14/ in contact with the printer head/33/ when the printer cover is closed (figs 1-3, col 2, lines 63-67, col 3, lines 1-27);
- * wherein the printer head is disposed at an angle not interfering with an arc defined by the moving platen when the platen is separated from the printer head by opening the printer cover from a state in which the printer head is brought into contact with the printer head (figs 4-5, col 2, lines 63-67, col 3, lines 1-27, figs 1-3).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mori et al. (US 6,682,239 B2) disclose a thermal printer unit and thermal printer. Arnold (US 6,652,170 B1) discloses a portable printer and data entry device assembly. Mori et al. (US 6,450,714 B2) disclose a thermal printer with a movable platen guided by a pin. Mahoney (US 6,406,200 B2) discloses a printer assembly with lateral and longitudinal self-alignment. Bryer et al. (US 6,261,013 B1) a

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portable printer with adoor mounted roll support. Sato et al. (US 4,757,329) disclose a desk-top thermal printer and/or hand held thermal printer.

Communication With The USPTO

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to K. Feggins whose telephone number is 571-272-2254. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Talbott Dave can be reached on 571-272-1934. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


K. Feggins
Primary Examiner
February 18, 2005